

STRUCTURE SEARCH

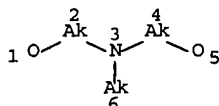
=&gt; d his l34

(FILE 'HCAPLUS' ENTERED AT 11:33:22 ON 10 JAN 2008)

L34 1 S L33 AND L21

=&gt; d que l34

L6 STR



## NODE ATTRIBUTES:

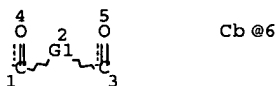
CONNECT IS E2 RC AT 2  
 CONNECT IS E2 RC AT 4  
 CONNECT IS E1 RC AT 6  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED  
 ECOUNT IS M1-X6 C AT 2  
 ECOUNT IS M1-X6 C AT 4  
 ECOUNT IS M1-X6 C AT 6

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 6

## STEREO ATTRIBUTES: NONE

L7 ( 207481)SEA FILE=REGISTRY ABB=ON PLU=ON POLYESTER/PCT  
 L8 ( 45557)SEA FILE=REGISTRY ABB=ON PLU=ON POLYAMINE/PCT  
 L9 ( 10853)SEA FILE=REGISTRY ABB=ON PLU=ON L7 AND L8  
 L10 ( 1002)SEA FILE=REGISTRY SUB=L9 SSS FUL L6  
 L11 STR



VAR G1=AK/6

## NODE ATTRIBUTES:

CONNECT IS E3 RC AT 1  
 CONNECT IS E3 RC AT 3  
 CONNECT IS E1 RC AT 5  
 DEFAULT MLEVEL IS ATOM  
 GGCAT IS UNS AT 6  
 DEFAULT ECLEVEL IS LIMITED  
 ECOUNT IS M6-X12 C AT 6

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 6

## STEREO ATTRIBUTES: NONE

L12 733 SEA FILE=REGISTRY SUB=L10 SSS FUL L11  
 L15 294825 SEA FILE=REGISTRY ABB=ON PLU=ON POLYETHER/PCT  
 L16 193 SEA FILE=REGISTRY ABB=ON PLU=ON L12 AND L15  
 L17 97 SEA FILE=HCAPLUS ABB=ON PLU=ON L16  
 L18 25314 SEA FILE=HCAPLUS ABB=ON PLU=ON (T OR TERT?) (A)AMINE  
 L19 16 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 AND L18

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L21		QUE	ABB=ON	PLU=ON	COSMET?/SC, SX
L22	1	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON L19 AND L21
L23	19	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON POLYESTERAMIN?
L25	218238	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON POLYESTER+PFT, OLD, NT/C
		T			
L26	44629	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON POLYAMINES+PFT, OLD, NT/
		CT			
L28	787	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON L25 (L) POLYAMINE
L29	1030	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON L26 (L) POLYESTER
L30	15	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON L17 AND (L28 OR L29
		OR L23)			
L31	3	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON L18 AND L30
L32	2	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON L31 AND (ETHER? OR
		POLYETHER? OR GLYCOL?)			
L33	4	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON L22 OR L31 OR L32
L34	1	SEA	FILE=HCAPLUS	ABB=ON	PLU=ON L33 AND L21

STRUCTURE SEARCH RESULT

=&gt; d l34 1 ibib ed ab hitstr hitind

L34 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:642110 HCAPLUS Full-text

DOCUMENT NUMBER: 129:320938

TITLE: Hair preparations containing polyurethanes or polyureas

INVENTOR(S): Ota, Atsushi; Tomioka, Masaya; Taka, Tatsuhito; Miura, Shuji

PATENT ASSIGNEE(S): Sanyo Chemical Industries Ltd., Japan; Kanebo Cosmetics, Ltd.

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10259115	A	19980929	JP 1998-13213	1998 0107
JP 3667518	B2	20050706		
PRIORITY APPLN. INFO.:			JP 1997-17501	A 1997 0114

OTHER SOURCE(S): MARPAT 129:320938

ED Entered STN: 12 Oct 1998

AB A hair-setting agent which provides a natural look under high humidity and high temperature conditions, comprises polyurethanes or polyureas containing tertiary amines and/or quaternary ammonium at 0.01-3 meq/g. Adipic acid-1,4-butanediol-N-methyldiethanolamine-isophorone diisocyanate copolymer salt with di-Me sulfate (quaternary ammonium content 0.4 meq/g) was prepared and tested for hair-setting properties.

IT 214774-68-2P

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)

(hair-setting prepns. containing polyurethanes)

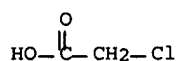
RN 214774-68-2 HCAPLUS

CN Hexanedioic acid, polymer with 1,4-butanediol,  $\alpha$ -hydro- $\omega$ -hydroxypoly(oxy-1,4-butanediyl), 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, 2,2'-(methylimino)bis[ethanol] and 3-methyl-1,5-pentanediol, block, compd. with sodium chloroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 3926-62-3

CMF C2 H3 Cl O2 . Na



● Na

CM 2

CRN 214774-67-1

CMF (C12 H18 N2 O2 . C6 H14 O2 . C6 H10 O4 . C5 H13 N O2 . C4 H10 O2 . (C4 H8 O)n H2 O)x

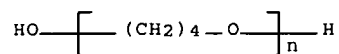
CCI PMS

CM 3

CRN 25190-06-1

CMF (C4 H8 O)n H2 O

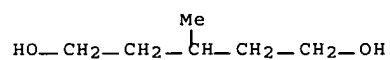
CCI PMS



CM 4

CRN 4457-71-0

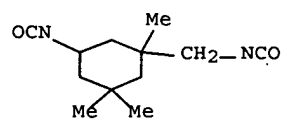
CMF C6 H14 O2



CM 5

CRN 4098-71-9

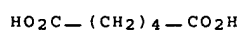
CMF C12 H18 N2 O2



CM 6

CRN 124-04-9

CMF C6 H10 O4



CM 7

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CRN 110-63-4  
CMF C4 H10 O2

HO—(CH<sub>2</sub>)<sub>4</sub>—OH

CM 8

CRN 105-59-9  
CMF C5 H13 N O2

HO—CH<sub>2</sub>—CH<sub>2</sub>—<sup>Me</sup>  
N—CH<sub>2</sub>—CH<sub>2</sub>—OH

IC ICM A61K007-06  
ICS C08G018-32; C08G018-38  
CC 62-3 (Essential Oils and Cosmetics)  
IT 214774-65-9P 214774-68-2P 214774-69-3P 214774-70-6P  
214774-71-7P 214774-72-8P 214774-73-9P 214774-74-0P  
RL: BUU (Biological use, unclassified); IMF (Industrial  
manufacture); BIOL (Biological study); PREP (Preparation); USES  
(Uses)  
(hair-setting preps. containing polyurethanes)

FULL SEARCH HISTORY

=&gt; d his nofile

(FILE 'HOME' ENTERED AT 11:20:28 ON 10 JAN 2008)

FILE 'REGISTRY' ENTERED AT 11:21:04 ON 10 JAN 2008

D SAV

ACT RAE306REG/A

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L1 STR  
 L2 ( 207481)SEA ABB=ON PLU=ON POLYESTER/PCT  
 L3 ( 45557)SEA ABB=ON PLU=ON POLYAMINE/PCT  
 L4 ( 10853)SEA ABB=ON PLU=ON L2 AND L3  
 L5 1002 SEA SUB=L4 SSS FUL L1

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D QUE STAT

D SAV

ACT RAE306REGA/A

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L6 STR  
 L7 ( 207481)SEA ABB=ON PLU=ON POLYESTER/PCT  
 L8 ( 45557)SEA ABB=ON PLU=ON POLYAMINE/PCT  
 L9 ( 10853)SEA ABB=ON PLU=ON L7 AND L8  
 L10 ( 1002)SEA SUB=L9 SSS FUL L6  
 L11 STR  
 L12 733 SEA SUB=L10 SSS FUL L11

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D QUE STAT

FILE 'LREGISTRY' ENTERED AT 11:29:59 ON 10 JAN 2008

L13 STR

FILE 'REGISTRY' ENTERED AT 11:31:38 ON 10 JAN 2008

L14 0 SEA SUB=L12 SSS SAM L13  
 E POLYETHER/PCT  
 L15 294825 SEA ABB=ON PLU=ON POLYETHER/PCT  
 L16 193 SEA ABB=ON PLU=ON L12 AND L15

FILE 'HCAPLUS' ENTERED AT 11:33:22 ON 10 JAN 2008

L17 97 SEA ABB=ON PLU=ON L16  
 L18 25314 SEA ABB=ON PLU=ON (T OR TERT?) (A)AMINE  
 L19 16 SEA ABB=ON PLU=ON L17 AND L18  
 D SCAN  
 D L19 1-16 TI CC  
 L20 0 SEA ABB=ON PLU=ON L19 AND COSMETIC  
 L21 QUE ABB=ON PLU=ON COSMET?/SC, SX  
 L22 1 SEA ABB=ON PLU=ON L19 AND L21  
 D SCAN  
 D HITSTR  
 D PY  
 L23 19 SEA ABB=ON PLU=ON POLYESTERAMIN?  
 L24 2 SEA ABB=ON PLU=ON L23 AND L21  
 D 1-2 KWIC  
 D 1-2 TI CC  
 L25 218238 SEA ABB=ON PLU=ON POLYESTER+PFT, OLD, NT/CT  
 L26 44629 SEA ABB=ON PLU=ON POLYAMINES+PFT, OLD, NT/CT  
 L27 0 SEA ABB=ON PLU=ON L25 (L) L26  
 L28 787 SEA ABB=ON PLU=ON L25 (L) POLYAMINE  
 L29 1030 SEA ABB=ON PLU=ON L26 (L) POLYESTER  
 L30 15 SEA ABB=ON PLU=ON L17 AND (L28 OR L29 OR L23)  
 D 1-5 KWIC  
 L31 3 SEA ABB=ON PLU=ON L18 AND L30  
 D 1-3 KWIC  
 L32 2 SEA ABB=ON PLU=ON L31 AND (ETHER? OR POLYETHER? OR GLYCOL?)

10/779,306

D 1-2 PY  
D 1-2 AU  
L33 4 SEA ABB=ON PLU=ON L22 OR L31 OR L32  
D SCAN  
L34 1 SEA ABB=ON PLU=ON L33 AND L21  
D SCAN  
D AU  
D QUE L34  
D L34 1 IBIB ED AB HITSTR HITIND